

Form PTO 1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
11187-00001 (1364-DIV-01)SERIAL NO.  
09/616,718APPLICANT  
Bert L. Vallee & Wing-Ming KeungFILING DATE  
7/14/00GROUP  
1614

## LIST OF PRIOR ART CITED BY APPLICANT

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL*		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
cm	AA	5	2	0	4	3	6	9	4/20/93	Vallee, et al	514	456	7/1/91
cm	AB	5	6	2	4	9	1	0	4/29/97	Vallee, et al	514	27	6/30/92
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## FOREIGN PATENT DOCUMENTS

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## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

cm	AR	Ambroziak et al., "Human Aldehyde Dehydrogenase," <i>J. Biol. Chem.</i> , 266(20):13011-13018 (1991)
	AS	Axelrod et al., "3-Methoxy-4-hydroxyphenylglycol sulfate, a new metabolite of epinephrine and norepinephrine," <i>Biochim. Biophys. Acta.</i> 36:576-577 (1959),
	AT	Beaufay et al., "Intracellular Distribution of Some Dehydrogenase and Iron in Rat-Liver Tissue," <i>J. Cell Biol.</i> , 73:623-628 (1959)

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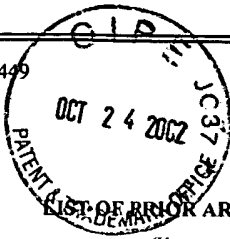
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	AR	Dietrich et al., "Biogenic Amine-Aldehyde Condensation Products:..." <i>Annu. Rev. Pharmacol. Toxicol.</i> , 20:55-80 (1980)
	AS	Erwin et al., "Brain Aldehyde Dehydrogenase," <i>J. Biol. chem.</i> 241(15):3533-3539 (1966)
	AT	Feldstein, "Effect of Ethanol on Neurohumoral Amine Metabolism," Chapter 4, <i>The Biology of Alcoholism</i> , eds. B. Kissin & H. Beleiter, Plenum Press, New York, pp. 127-159 (1971)

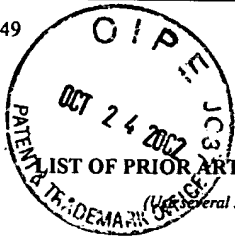
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	AR	Heyman et al., "Daidzin Decreases Ethanol Consumption in Rats," <i>Alcohol. Clin. Exp. Res.</i> , 20(6):1083-1087 (1996)
	AS	Johnson and Lardy, "Isolation of Liver or Kidney Mitochondria," <i>Methods in Enzymology</i> , 10:94-101 (1967), reprinted in EXS 71, "Toward a Molecular Basis of Alcohol Use and Abuse"
	AT	Keung and Vallee, "Daidzin: A potent, selective inhibitor of human mitochondrial aldehyde dehydrogenate," <i>Proc. Natl. Acad. Sci. USA</i> , 90:1247-1251 (1993)

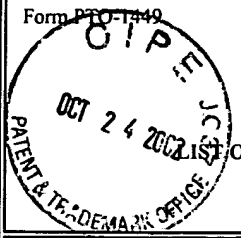
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com	AR	Keung and Vallee, "Daidzin and daidzein suppress free-choice ethanol intake by Syrian Golden hamsters," <i>Proc. Natl. Acad. Sci. USA</i> , 90:10008-10012 (1993)
↓	AS	Keung and Vallee, "Therapeutic lessons from traditional Oriental medicine to contemporary Occidental pharmacology," <i>Toward a Molecular Basis of Alcohol Use and Abuse</i> , pp. 371-381, eds. B. Jansson et al. (1994)
↓	AT	Keung et al, "Daidzin inhibits mitochondrial aldehyde dehydrogenate and suppresses ethanol intake of Syrian golden hamsters," <i>Proc. Nat. Acad. Sci., USA</i> 94:1675-1679 (1997)

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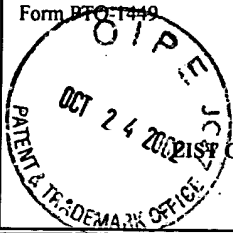
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	AR	Keung and Vallee, "Daidzin and its antidipsotropic analogs inhibit serotonin and dopamine metabolism in isolated mitochondria," <i>Proc. Natl. Acad. Sci., USA</i> , 95:2198-2203 (1998)
	AS	Klyosov et al., "Possible Role of Liver Cytosolic and Mitochondrial Aldehyde Dehydrogenases in Acetaldehyde Metabolism," <i>Biochemistry</i> , 35:4445-4456 (1996)
	AT	Koob et al., "Alcohol, the reward system and dependence," <i>Toward a Molecular Basis of Alcohol Use and Abuse</i> , ed. Jansson et al., pp. 103-114 (1994)

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cm	AR	Lawrin et al., "Identification and Testing of New Drugs for Modulating Alcohol Consumption," <i>Psychopharmacology Bulletin</i> , 22(3):1020-1025 (1986)
↓	AS	Lin et al., "Isoflavonoid Compounds Extracted from <i>Pueraria lobata</i> Suppresses Alcohol Preference in a Pharmacogenetic Rat Model of Alcoholism," <i>Alcohol. Clin. Exp. Res.</i> , 20(4):659-663 (1996)
↓	AT	Liskow and Goodwin, "Pharmacological Treatment of Alcohol Intoxication, Withdrawal and Dependence: A Critical Review," <i>J. Studies of Alcohol</i> , 18(4):356-370 (1987)

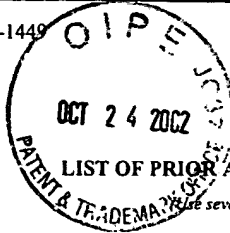
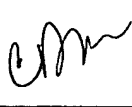
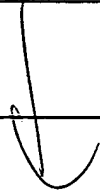
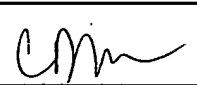
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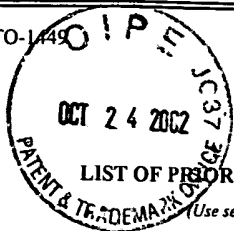
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Form PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE			ATTY. DOCKET NO. 11187-00001 (1364-DIV-01)		SERIAL NO. 09/616,718		
 <p><b>LIST OF PRIOR ART CITED BY APPLICANT</b> (Use several sheets if necessary)</p>					APPLICANT Bert L. Vallee & Wing-Ming Keung				
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	AR	Overstreet et al., "Selective Alcohol Intake-Suppressant Effects of the Isoflavones Daidzin, Daidzein & Puerarin in Alcohol-Preferring FH Rats," <i>RSA/ISBRA Abstracts</i> , p. 16A, no. 76, (1996)							
	AS	Overstreet et al., "Suppression of Alcohol Intake after Administration of the Chinese Herbal Medicine, NPI-028, and Its Derivatives," <i>Alcohol. Clin. Exp. Res.</i> , 20(2):221-227 (1996)							
	AT	Peachey and Naranjo, "The Role of Drugs in the Treatment of Alcoholism," <i>Drugs</i> 27: 171-182 (1984)							
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## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	Rashkovetsky et al., "Human liver aldehyde dehydrogenates: new method of purification of the major mitochondrial and cytosolic enzymes..." <i>Biochim. Biophys. Acta.</i> , 1205:301-307 (1994)	✓
		Tank et al., "Enzymology and Subcellular Localization of Aldehyde Oxidation in Rat Liver," <i>Biochim. Pharm.</i> , 30(24):3265-3275 (1981)	✓
	AS		
	AT	"Research on Promising Pharmacotherapies for Alcoholism," Program Announcement, Dept. of Health and Human Services (Catalog of Federal Domestic Assistance No. 13.273) pp. 1-17 (1990)	

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